

# **Automated Traffic Data Collection Report**

**MAY 2003**



**Washington State Department of Transportation**

In cooperation with the  
United States Department of Transportation  
Federal Highway Administration

# WASHINGTON STATE

# DEPARTMENT OF TRANSPORTATION

## **AUTOMATED TRAFFIC DATA COLLECTION REPORT**

STRATEGIC PLANNING AND PROGRAMMING

**TRANSPORTATION DATA OFFICE**

HIGHWAY USAGE BRANCH

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**MAY 2003**

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## **EXECUTIVE SUMMARY**

This report is based upon data that was processed through **TRansportation Information and Planning Support System** (TRIPS). The data is collected monthly from several sources; Automated Traffic Recorders (ATRs), the Washington State Ferry System and the Oregon State Department of Transportation. For the site to be considered for this report, the site had to be collecting data in the same month for two consecutive years. Processed data is compared collectively to same month during the previous one year to show a two-year trend. The comparative analysis before the report is based on three-year data trends.

### **RURAL**

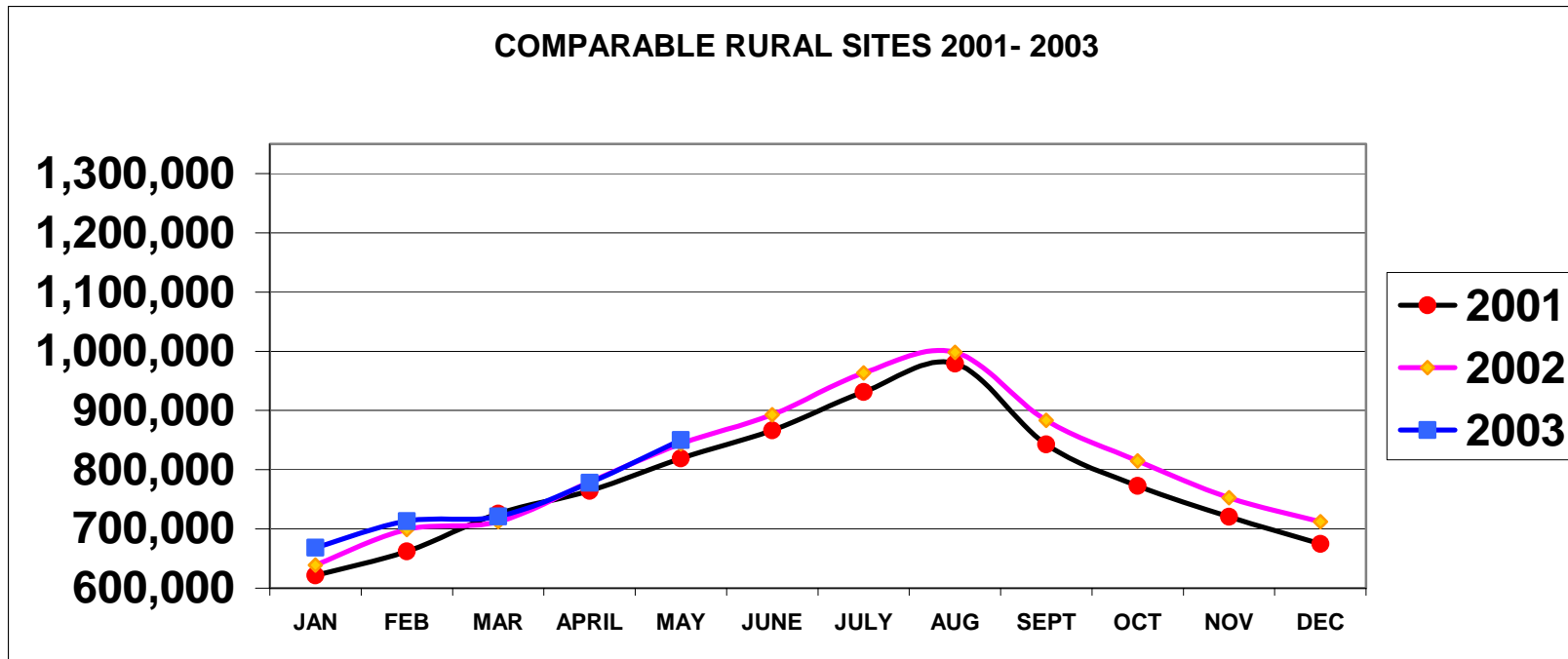
The vehicle volumes for current month (May) of comparable ATRs are comparable to May 2002 and have increased over May 2001 by 3.8%.

### **URBAN**

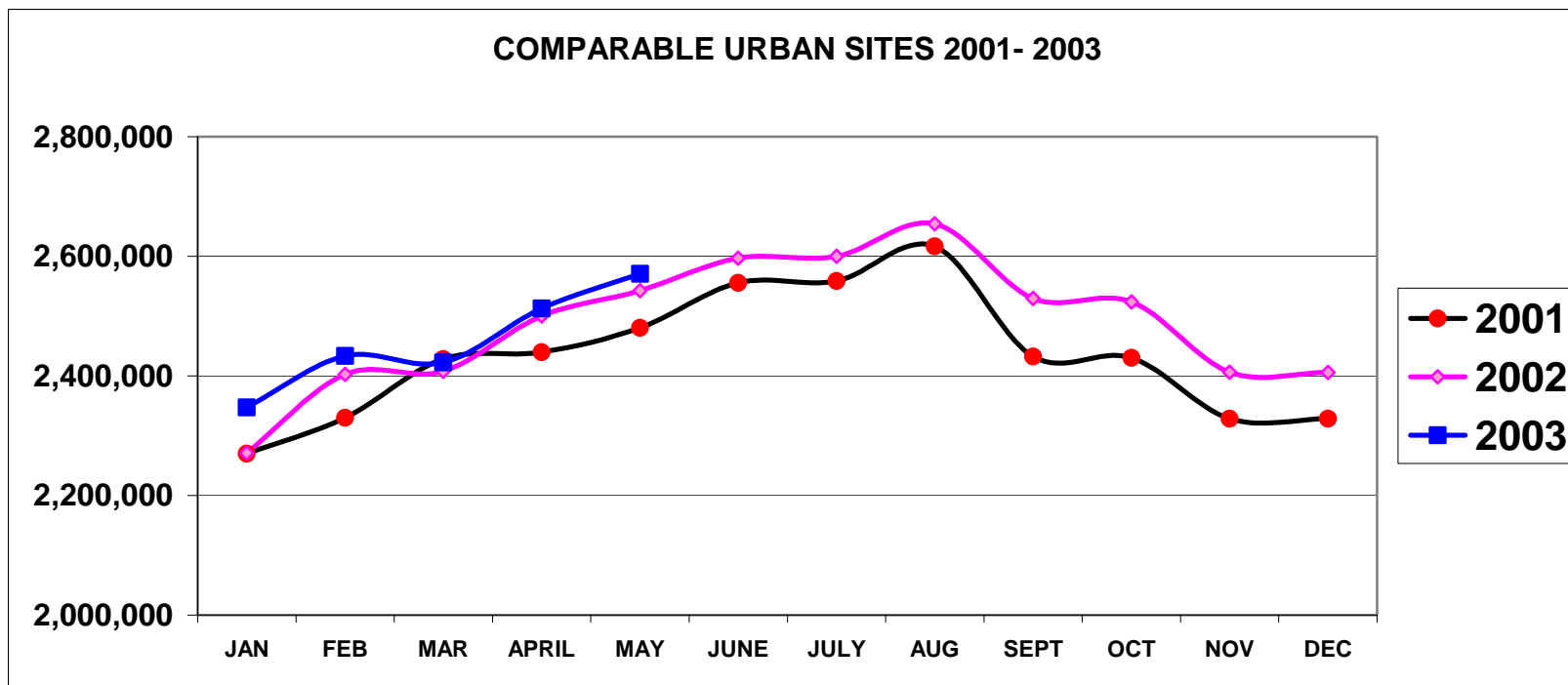
The vehicle volumes for current month (May) of comparable site data have increased over May of 2002 by 1.1% and have increased over May 2001 by 3.6%.

### **COMBINED**

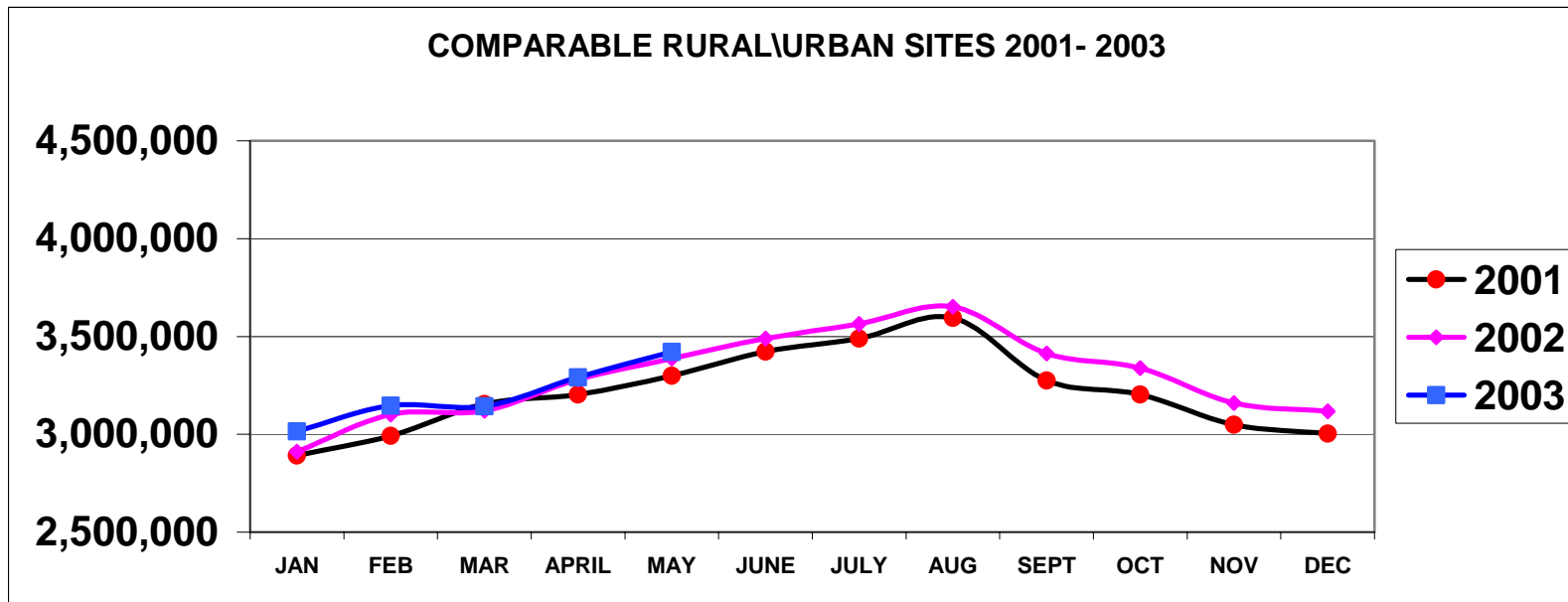
As a whole, according to the data collected and reported, the vehicle volumes for all comparable sites (Urban, Rural) has increased over May 2002 by 1% and has increased over May 2001 by 3.7%.



This graph shows a two-year trend of “Rural” sites from January to December for the years of 2001 and 2002. The data for January thru May 2003 is added to show a three-year trend of data. The data was collected from 67 of the same sites each month showing a combined Average Daily Traffic trend for three consecutive years.



This graph shows a two-year trend of “Urban” sites from January to December for the years of 2001 and 2002. The data for January thru May 2003 is added to show a three-year trend of data. The data was collected from 33 of the same sites each month showing a combined Average Daily Traffic trend for three consecutive years.

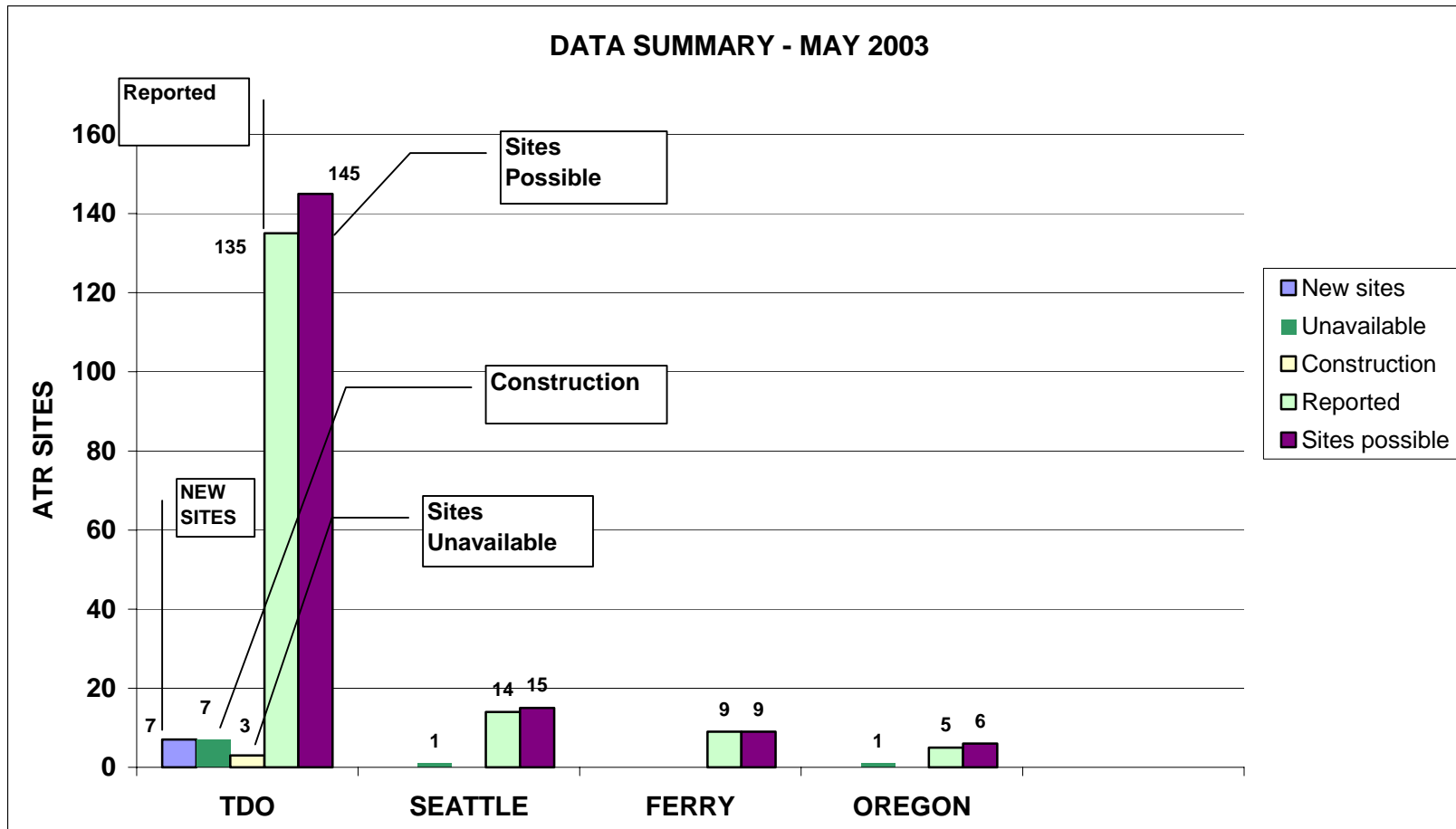


This graph shows a two-year trend of “Rural/Urban” sites from January to December for the years of 2001 and 2002. The data for January thru May 2003 is added to show a three-year trend of data. The data was collected from 100 of the same sites each month showing a combined Average Daily Traffic trend for three consecutive years.

## **SITE VARIANCE OR ANOMALY SUMMARY FOR MAY**

This list is a compilation of automated traffic recorder (ATR) sites with unusual and or abnormal traffic patterns for the month of May 2003. Included within this list are a site description for each automated traffic recorder site, a short statement of the reason for a large variance or anomaly, which occurred, and a conclusion.

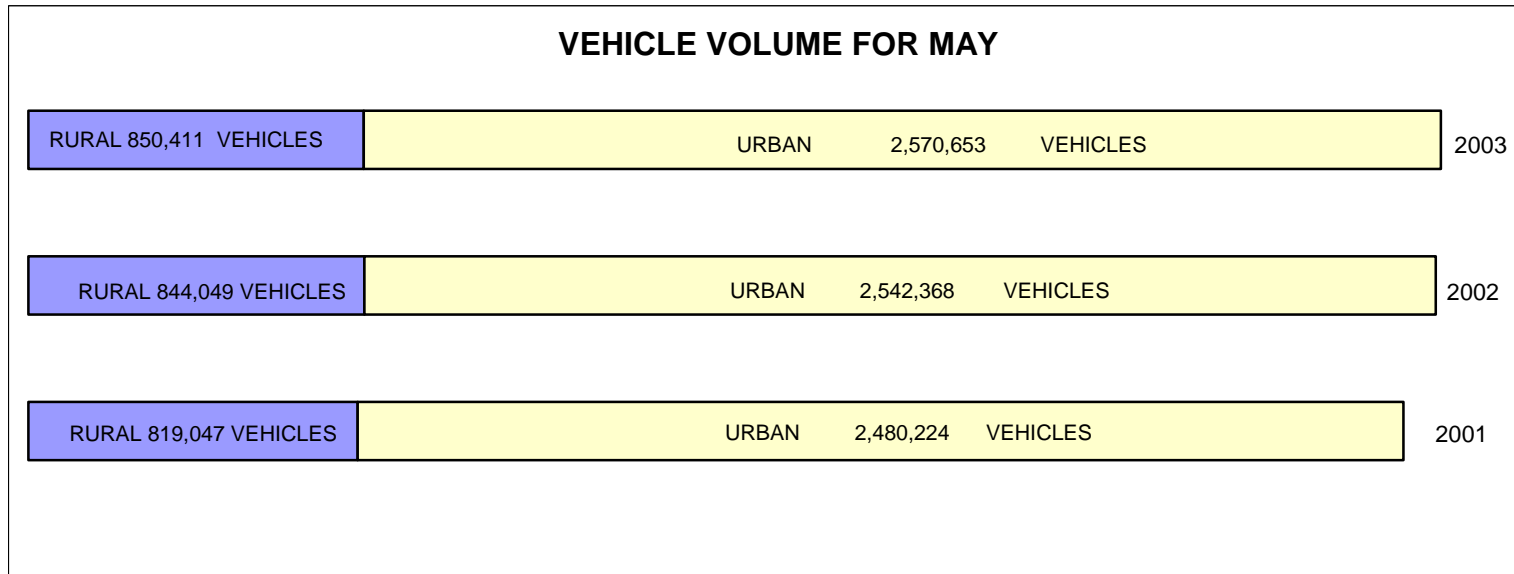
- **R037 – SR 20 Winthrop**
  - This winter was mild compared to last year; the pass was opened earlier than last year. This resulted in an increase in traffic.
  
- **R040 N. Leg – SR 123 – Ohanapecosh**
  - Last year was an estimation. Traffic this month/year is more indicative of normal traffic patterns.
  
- **R077 – SR 14 Stonehenge**
  - No apparent reason for the decrease in traffic although Maryhill (R076) also reflects a decrease in traffic of 6.6%.
  
- **P25 – SR 21 Wilbur**
  - No apparent reason for the decrease in traffic. Last manual count comparison was October 2000, which showed an reduction in traffic of –6.4%. A call to the maintenance superintendent in Davenport revealed no insight.
  
- **FY02 – SR 20 Anacortes**
  - There has been a decrease in ridership due to an increase in the fare.



The sites that were unavailable due to either equipment failure, trouble extracting data from field, construction and/or Data was not reported were 1 Seattle site, 10 TDO sites, 1 Oregon site.

## MAY VOLUME COMPARISON FOR 2001-2003

The volume of vehicles collected and reported for May is:



## **AUTOMATED TRAFFIC DATA COLLECTION REPORT DETAIL**

The monthly Automated Traffic Data Collection Report is designed to provide reliable data to traffic engineers, state planners, traffic operations, other government agencies, regional administrators, the Washington State Patrol, private businesses and the citizens of Washington State. This report is administered and produced by the Transportation Data Office of the Washington State Department of Transportation.

This report is comprised of data collected from automated traffic recorders monitored by the ADC section, NW Regional Traffic Office, Washington State ferries division, Oregon State when available. The data has been validated and verified for this report; it has been processed through the **TRansportation Information and Planning Support System (TRIPS)**.

The information within this report is:

- Average Daily Traffic (ADT)
- ADT compared to previous months for all comparable sites
- ADT compared to same month previous year
- Same month Percent Increase/Decrease
- Maximum Traffic/Maximum Day (by date, day and hour)
- Last possible month's percent of difference
- Missing data in month reported
- Last year same month

A legend is supplied for each page of listed site data.

The codes are:

- "U" = = unavailable
- "C" = = construction
- "E" = = estimated
- "N" = = new site to system
- "P" = = pass closed
- "I" = = partial estimation
- "Q" = = reported quarterly

For questions about this report or further site information, please contact the ADC section supervisor at 360-570-2392 or E mail this section at [tdoadc@wsdot.wa.gov](mailto:tdoadc@wsdot.wa.gov)

JOT-RN8612-B

STATE OF WASHINGTON - DEPARTMENT OF TRANSPORTATION  
T R I P S   S Y S T E M  
AUTOMATED DATA COLLECTION REPORT

DATE 07/08/03

TIME 09:04:25

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FOR THE MONTH OF MAY

2003

RURAL RECORDERS				AVERAGE DAY		RELATION TO 2002		<<<<<<<< MAXIMUM TRAFFIC >>>>>>>>>>								
RECR	LOCATION			LEG SRMP	B	2003	2002	THIS MONTH %	LAST 05 MONTHS %	<<<< MAXIMUM HOUR >>>>			<< MAXIMUM DAY >>			
NUM										VEHICLES	DAY	DATE	HOURL	VEHICLES	DAY	DATE
B02	SR 12	BRADY	12.30			21,057	21,406	- 1.6	- 1.5	2,508	MON	26	2- 3P	27,933	FRI	23
B03	SR 395	PASCO/SR 395	27.20	D>		13,941	13,575	+ 2.7	+ 3.2							
B04	SR 90	CLE ELUM	82.70			30,086	30,281	- 0.6	+ 2.7	4,475	SAT	24	11-12A	50,842	MON	26
FY01	SR 20	KEYSTONE FERRY	12.88			1,008	1,002	+ 0.7	+ 0.2					1,399	SUN	11
FY03	SR 21	KELLER FERRY	106.65			219	224	- 2.2	+ 0.7					381	WED	23
FY05	SR 160	FAUNTLEROY FERRY	7.47			1,849	1,894	- 2.4	- 3.2					2,206	FRI	23
FY07	SR 305	WINSLOW FERRY	0.02			5,880	0							6,516	FRI	16
OR02	SR 101	ASTORIA - MEGLER BR	0.00	Q>		6,860	6,808	+ 0.8	- 2.1	976	MON	26	3- 4PM	9,476	FRI	23
OR03	SR 125	OREGON BORDER	0.00	Q>		14,783	14,897	- 0.8	+ 1.7	1,461	FRI	23	4- 5PM	17,660	FRI	09
OR05	SR 730	OREGON BORDER	0.00	Q>		2,589	2,589		- 0.3	300	FRI	23	5- 6PM	3,540	FRI	23
OR06	SR 82	OREGON BORDER	132.60	Q>		16,523	16,290	+ 1.4	+ 1.1	1,819	FRI	23	5- 6PM	22,414	FRI	23
PO1	SR 2	CASHMERE	113.10			21,956	21,865	+ 0.4	+ 0.5	2,413	FRI	23	3- 4P	30,439	FRI	23
PO2	SR 2	COULEE CITY	179.10			897	863	+ 3.9	+ 6.7	169	MON	26	11-12A	1,588	MON	26
PO3	SR 97	WAPATO	66.30			12,154	11,834	+ 2.7	+ 4.0	1,348	FRI	23	3- 4P	15,292	FRI	23
PO4	SR 5	FERNDALE	351.33			42,075	40,893	+ 2.9	+ 4.5	4,004	FRI	2	4- 5P	49,087	FRI	16
PO5	SR 12	DAYTON	376.98			2,363	2,421	- 2.4	- 3.1	314	FRI	23	3- 4P	3,855	FRI	23
PO8	SR 82	BUENA	48.50			24,554	24,242	+ 1.3	+ 2.8	2,532	FRI	23	5- 6P	30,991	FRI	23
PO9	SR 82	PLYMOUTH	121.20			15,994	15,501	+ 3.2	+ 3.7	1,731	MON	26	3- 4P	21,862	FRI	23
P10	SR 90	RITZVILLE	218.83			10,489	10,471	+ 0.2	+ 2.9	1,501	FRI	23	4- 5P	17,615	FRI	23
P11	SR 97	PATEROS	250.35			4,082	4,308	- 5.2	- 1.0	574	MON	26	1- 2P	6,380	FRI	23
P13	SR 195	UNIONTOWN	6.01			4,994	4,857	+ 2.8	+ 3.7	547	FRI	9	4- 5P	6,650	FRI	9
P14	SR 195	PULLMAN	22.20			3,226	3,137	+ 2.8	+ 2.8	381	FRI	9	4- 5P	4,275	FRI	9
P15	SR 195	SPANGLE	87.70			9,287	9,377	- 1.0	+ 1.8	956	FRI	23	5- 6P	11,014	FRI	23
P17	SR 221	PROSSER	13.10			1,829	1,872	- 2.3	- 0.6	189	WED	21	4- 5P	2,249	THU	22

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STATE OF WASHINGTON - DEPARTMENT OF TRANSPORTATION  
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AUTOMATED DATA COLLECTION REPORT

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FOR THE MONTH OF MAY

2003

RURAL RECORDERS				AVERAGE DAY		RELATION TO 2002		<<<<<<<<<< MAXIMUM TRAFFIC >>>>>>>>>>					
RECR	LOCATION			2003		THIS	LAST	<<<< MAXIMUM HOUR >>>><< MAXIMUM DAY >>					
NUM		LEG	SRMP	B	'	MONTH %	MONTHS %	VEHICLES	DAY	DATE	VEHICLES	DAY	DATE
P18	SR 101	LILLIWAP	324.80			2,892	2,832	+ 2.1	+ 5.5	516	MON	26	2- 3P
P21	SR 9	ARLINGTON	28.75	U		10,600					4,698	SAT	24
P22	SR 97	OROVILLE	335.30			2,086	2,241	- 6.9	- 1.8	235	MON	19	12- 1P
P23	SR 97	OKANOGAN	286.16	U		4,687			- 1.2		2,525	FRI	23
P24	SR 90	STATELINE	298.40			45,957	45,279	+ 1.5	+ 3.4	4,557	FRI	23	4- 5P
P25	SR 21	WILBUR	91.55			379	441	- 14.1	- 6.8	66	SAT	31	5- 6P
P26	SR 395	ORIENT	260.00			653	661	- 1.2	- 3.6	88	SAT	10	9-10A
P27	SR 25	BOSSBURG	97.00			363	388	- 6.4	- 6.4	49	MON	5	1- 2P
P28	SR 2	CHATTAROY	301.40			18,539	18,576	- 0.2	- 0.2	2,050	FRI	23	5- 6P
P30	SR 27	MICA	77.30	U		6,062			+ 8.4		23,732	FRI	23
P7C	SR 395	RITZVILLE	93.01			7,116	7,022	+ 1.3	+ 2.6	891	FRI	23	4- 5P
P8	SR 5	KELSO	44.30	U		50,654					10,889	FRI	23
RO01	SR 5	MARYSVILLE	207.76			82,329	80,498	+ 2.3	+ 4.3	7,268	FRI	9	4- 5P
RO03	SR 101	MUD BAY	361.37	N		29,841	29,479	+ 1.2	+ 3.2	2,992	FRI	9	5- 6P
RO03	SR 101	MUD BAY	361.81	E		46,968	47,139	- 0.4	+ 2.2	4,642	FRI	23	4- 5P
RO03	SR 8	MUD BAY	20.67	W		17,127	17,660	- 3.0	- 0.3	2,012	MON	26	1- 2P
RO08	SR 12	WALLULA JUNCTION	307.90			6,618	6,462	+ 2.4	- 0.2	709	FRI	9	3- 4P
RO14	SR 90	TYLER/FISHTRAP	254.23			17,644	17,243	+ 2.3	+ 3.3	2,230	FRI	23	4- 5P
RO19	SR 5	GRAND MOUND	86.32			60,565	59,442	+ 1.9	+ 3.0	6,053	FRI	23	3- 4P
RO20	SR 17	OTHELLO	30.37			5,399	5,405	- 0.1	+ 1.4	562	FRI	23	4- 5P
RO23	SR 101	DISCOVERY BAY	281.15			11,318	11,195	+ 1.1	+ 2.8	1,259	MON	26	1- 2P
RO37	SR 20	WINTHROP	191.90			2,213	2,011	+ 10.0	+ 10.9	624	MON	26	11-12A
RO38	SR 2	SKYKOMISH	50.12			4,560	4,601	- 0.9	- 1.8	1,030	MON	26	11-12A
RO39	SR 90	NORTH BEND	33.56			33,666	33,130	+ 1.6	- 0.8	5,134	FRI	23	5- 6P

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STATE OF WASHINGTON - DEPARTMENT OF TRANSPORTATION  
 TRIP SYSTEM  
 AUTOMATED DATA COLLECTION REPORT

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FOR THE MONTH OF MAY

2003

RURAL RECORDERS					RELATION TO 2002		<<<<<<<<< MAXIMUM TRAFFIC >>>>>>>>>>							
RECR					AVERAGE DAY		THIS	LAST 05	<<<< MAXIMUM HOUR >>>>			<< MAXIMUM DAY >>		
NUM	LOCATION				LEG	SRMP	B	' 2003	' 2002	MONTH %	MONTHS %	VEHICLES DAY DATE HOUR	VEHICLES DAY DATE	
RO40	SR 123	N/O SR 12 - OHANAPECOSH			N	3.88		404	E>	630	- 35.9	- 35.9	178 MON 26 1- 2P	1,332 MON 26
RO40	SR 12	W/O COAL CREEK BRIDGE			W	135.10		1,909		1,950	- 2.1	- 4.6	552 MON 26 12- 1P	5,224 SAT 24
RO41	SR 97	GOLDENDALE				13.41		4,824		5,093	- 5.3	- 3.0	625 MON 26 2- 3P	7,282 FRI 23
RO42	SR 90	VANTAGE				136.59		15,925		15,893	+ 0.2	+ 2.6	2,573 MON 26 12- 1P	30,566 FRI 23
RO43	SR 105	WESTPORT				31.92		5,670		5,785	- 2.0	- 3.9	659 MON 26 1- 2P	7,115 FRI 23
RO45	SR 5	WOODLAND				20.14		64,451		63,783	+ 1.0	+ 0.9	6,303 FRI 23 4- 5P	84,289 FRI 23
RO47	SR 2	DRYDEN			E	104.84		16,768		16,661	+ 0.6	+ 2.0	2,080 MON 26 12- 1P	24,932 FRI 23
RO47	SR 97	S/O OLD BLEWETT RD			S	178.19		5,834		5,757	+ 1.3	+ 2.5	1,070 MON 26 1- 2P	10,258 MON 26
RO47	SR 2	PESHASTIN			W	103.92		13,801		13,455	+ 2.6	+ 2.6	1,615 FRI 23 3- 4P	18,747 FRI 23
RO48	SR 82	E. OF SELAH CRK REST AREA				24.83		16,399		15,568	+ 5.3	+ 4.6	1,825 FRI 23 4- 5P	23,498 FRI 23
RO54	SR 101	HUMPTULIPS				104.55		2,478		2,591	- 4.4	- 1.5	273 MON 26 1- 2P	3,315 FRI 23
RO55	SR 90	MOSES LAKE				180.33		11,216		11,363	- 1.3	+ 2.6	1,634 MON 26 2- 3P	18,626 FRI 23
RO57	SR 970	TEAMAWAY				6.85		4,696		4,642	+ 1.2	+ 0.7	944 MON 26 12- 1P	9,406 MON 26
RO58	SR 2	W/O SUNLAND DR				80.20		4,402		4,477	- 1.7	+ 0.8	977 MON 26 12- 1P	9,694 MON 26
RO61	SR 395	ELTOPIA				36.24		12,335		12,077	+ 2.1	+ 2.7	1,461 FRI 23 5- 6P	17,006 FRI 23
RO63	SR 395	LOON LAKE				190.29		8,901		9,189	- 3.1	- 0.6	876 FRI 16 4- 5P	10,311 FRI 9
RO64	SR 2	DAVENPORT				250.50	C			3,031		+ 3.8		
RO66	SR 26	OTHELLO EAST				43.06		2,638		2,688	- 1.9	+ 2.5	571 FRI 9 2- 3P	5,808 FRI 9
RO67	SR 12	DODGE JUNCTION				390.66	C			2,301		- 0.5		
RO68	SR 97	OMAK				293.42		5,316		5,307	+ 0.2	- 0.6	586 MON 26 11-12A	7,240 FRI 23
RO69	SR 101	PORT ANGELES				254.35		23,431		23,524	- 0.4	+ 3.2	2,236 FRI 23 3- 4P	27,557 FRI 23
RO70	SR 395	KETTLE FALLS				234.57		8,080		8,196	- 1.4	- 1.4	869 FRI 23 3- 4P	9,992 FRI 23
RO73	SR 101	SAPPHO				203.93		2,510		2,533	- 0.9	- 0.8	285 MON 26 11-12A	3,250 SAT 24
RO74	SR 101	NEMAH				28.95		2,408		2,409		+ 3.1	539 MON 26 12- 1P	4,467 MON 26



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## STATE OF WASHINGTON - DEPARTMENT OF TRANSPORTATION

DATE 07/08/03

## T R I P S   S Y S T E M

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## AUTOMATED DATA COLLECTION REPORT

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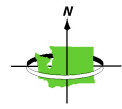
2003

RURAL RECORDERS				RELATION TO 2002		<<<<<<<<<< MAXIMUM TRAFFIC >>>>>>>>>>					
RECR				AVERAGE DAY	THIS	LAST 05	<<<< MAXIMUM HOUR >>>>		<< MAXIMUM DAY >>		
NUM	LOCATION	LEG	SRMP B	2003   2002	MONTH %	MONTHS %	VEHICLES	DAY DATE HOUR	VEHICLES	DAY DATE	
S841	SR 101 ASTORIA BRIDGE		0.46	6,929	6,880	+ 0.7	- 2.1	951 MON 26 1- 3P	9,627	FRI 23	
S841	SR 101 ASTORIA/CHINOOK		0.47	5,691	5,556	+ 2.4	- 0.4	794 MON 26 3- 4P	7,952	FRI 23	
S901	SR 90 TINKHAM RD		47.71	31,024	30,889	+ 0.4	+ 0.2	5,388 FRI 23 5- 6P	55,972	FRI 23	
S902	SR 90 SNOQUALMIE SUMMIT		52.24	29,537	29,377	+ 0.5	+ 0.5	4,775 FRI 23 4- 5P	52,467	FRI 23	
S903	SR 90 CABIN CREEK		63.98	30,224	30,046	+ 0.6	+ 3.1	4,402 SAT 24 11-12A	55,430	FRI 23	

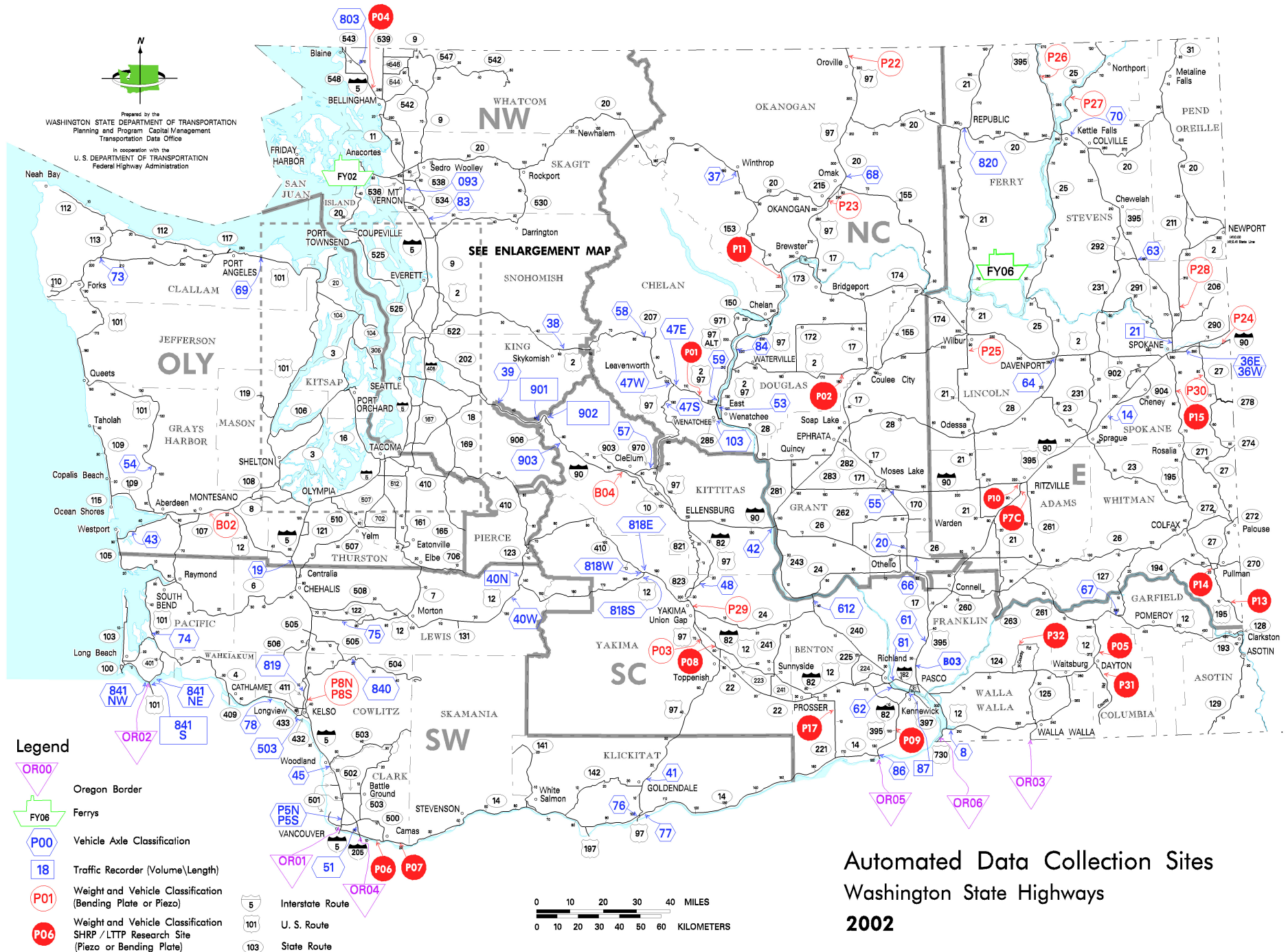


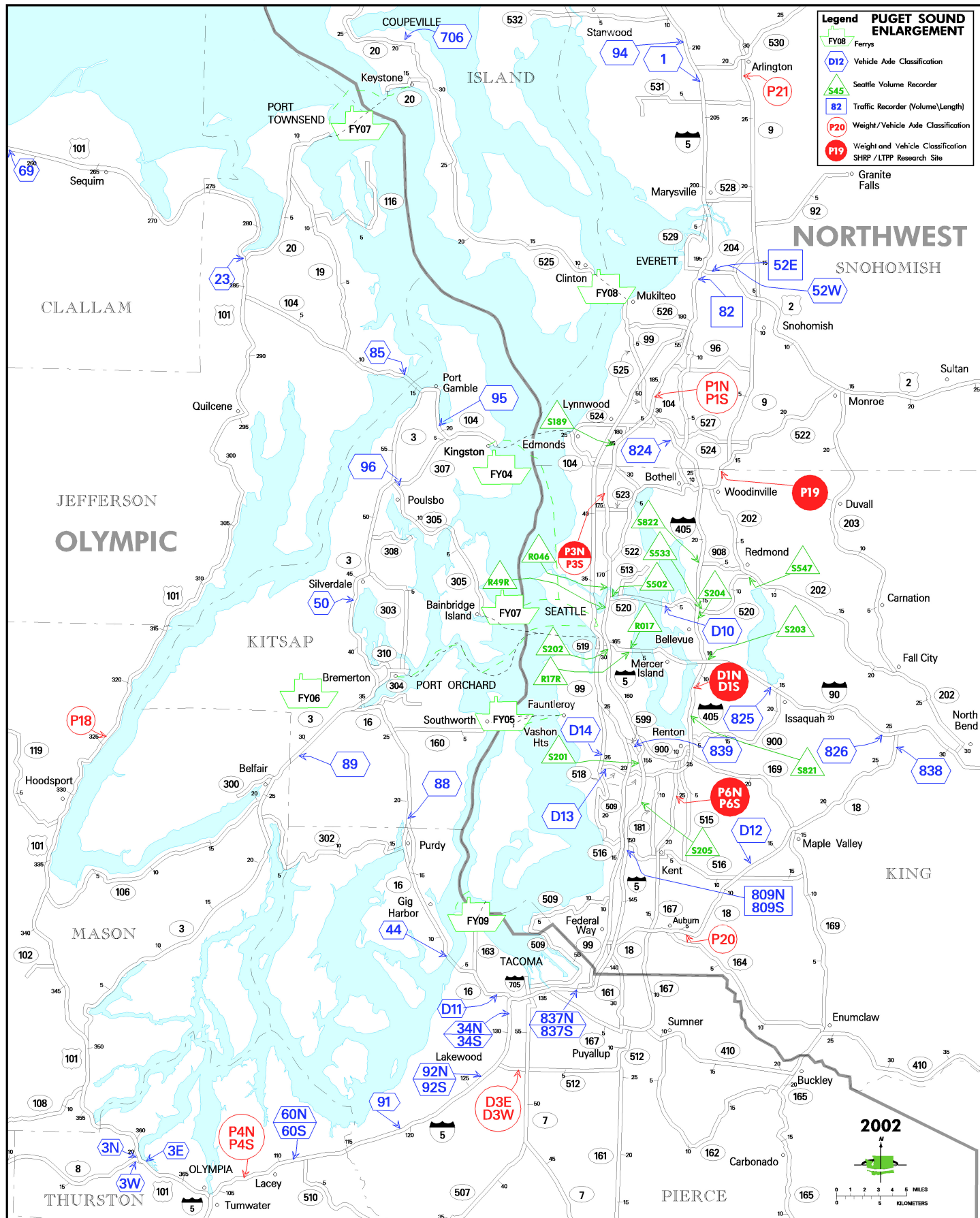






Prepared by the  
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION  
Planning and Program Capital Management  
Transportation Data Office  
In cooperation with the  
U.S. DEPARTMENT OF TRANSPORTATION  
Federal Highway Administration





## **GLOSSARY**

**URBAN**.....Of, relating to or constituting in city traffic

**RURAL**.....Of or relating to country traffic

**COMBINED**.....Total of urban and rural traffic

**ATR**.....Automated Traffic Recorder

**ADC**.....Automated Data Collection

**ADT**.....Average Daily Traffic

**TRIPS**.....Transportation Information and Planning Support System

**SRMP**.....State Route Mile Post

**RECR NUM**.....Automated Traffic Recorder Number

For answers to any questions about this report and or if you wish to have further a detailed report for one of the sites that the Automated Data Collection office (ADC) is currently monitoring, please call Tony Niemi at (360) 570-2392 or Pamela Pope at (360) 570-2396.

To obtain classification, length and or speed information please contact the ADC section of the Transportation Data Office at [tdoadc@wsdot.wa.gov](mailto:tdoadc@wsdot.wa.gov)